DESIGN PANEL NO. 16 - 5/15/97

DATA DISTRIBUTION & PROCESSSING CSCI - CECILIA CHEN

OVERVIEW

The Data Distribution CSC resides in the Data Distribution Processor (DDP), the Human Computer Interface (HCI), and the Command and Control Processor (CCP). The Data Distribution CSC running in the DDP provides the capability to read FD data from the Gateways and distribute it to the RTCN and DCN. The Data Distribution CSC running in the CCP and HCI provides the capability to receive FD data from DDP and make it available to Command, user applications, and user displays.

ACTIONS	ACTIONEE	DUE DATE	STATUS
• Define Performance Requirements for Data Distribution (Section 1.2.3, Data Distribution CSC Performance Requirements)	K. Clark/ C. Chen/ R. Dawson	Design Panel 3	In Work
• Clarify the Ground Rules for: Item: 6. Each Gateway will send data packets to the RTCN at the System Synchronous Rate (SSR) Item: 7. Time intervals between Gateway sends for the same SSR cycle will be handled by the Gateways. Data Distribution processing will be completely data driven. DD output rate is based on input rate coming from the Gateways. Data will be output to RTCN as soon as DD processing is complete. Item: 8. An empty packet will be sent by the Gateway if there is no data changed within an SSR cycle. (Section 1.2.1, Data Distribution CSC Ground Rules, Items 6, 7, and 8)	K. Clark/ C. Chen/ R. Dawson	Design Panel 3	In Work

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SYSTEM SERVICES CSCI - ALEX MORALES

OVERVIEW

- Network Services:
  - Basic Communication Service
  - Network APIs
  - Activity Separation
- Utility Services:
  - Display Service
  - Initialization & Termination Service (ITS)
  - Positional Login
  - Printer Services
- Inter-Process Communication (IPC)
- Data Logging Service (DLS)
- System Message Service (SMS)
- Operating System (OS)

ISSUES

- Change name of Data Logging Services (DLS) to **"Local Logon Services (LLS)"**.
  (Section 1.1.2.4, Data Logging Services (DLS))

ACTION	ACTIONEE	DUE DATE	STATUS
• System Messaging definition and design including: ■ SDC Recording Requirements ■ Message Types ■ System Messages Catalog Requirements	Software Architectural Team (SAT)	Design Panel 3	In Work
• Clarify "System Message API will support generic System Viewer GUI applications." (Section 1.2.2.5.1, System Message API, Item 16)	A. Morales	5/22/97	In Work
• Clarification of system wide "acknowledgment" recording requirements.	Software Architectural Team (SAT)	Design Panel 3	In Work

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SYSTEM SERVICES CSCI - ALEX MORALES (Continued)

ACTION	ACTIONEE	DUE DATE	STATUS
• Develop a standard for how System Messages are output: ■ Does the service layer only pass completion code back to the application or does it output a System Message describing the failure in hardware terms and the application output another that describes the process that failed? ■ Is it a System Service Requirement, an application requirement, or both? ■ Document the "Standard" in the SW Development Plan.	Software Architectural Team (SAT)	Design Panel 3	In Work
• Clarification of system wide logging to SDC requirements.	R. Dawson	Design Panel 3	In Work
• Define debug capability standard for delivered CSCI. How much "Debug Code" will be allowed and how will it be delivered to the operations environment?	L. Wilhelm	Design Panel 3	In Work
• Add Timeout on nonblocking and send event requests. (Section 1.2.2.3.3, Inter-Process Communication (IPC) Service - Receive)	A. Morales	Design Panel 3	In Work
• Refinement of System Message Service Interface to Users. (Section 1.2.2.5, System Message Service)	A. Morales	Design Panel 3	In Work
• Clarify Ground Rule for Auto Restart of System Services.	A. Morales	Design Panel 3	In Work